AUTODOC CLUB

How to change spark plugs on **Nissan Qashqai J10** – replacement guide

VIDEO TUTORIAL

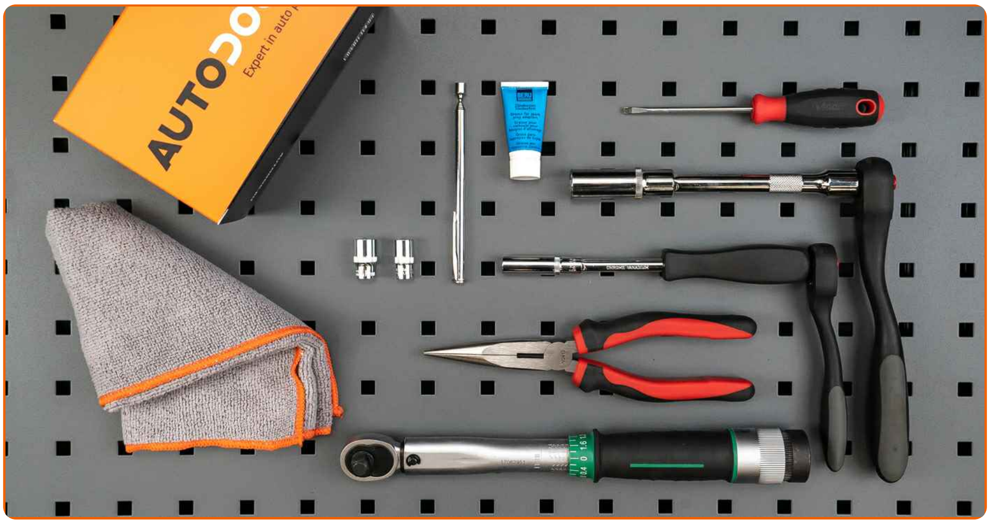


Important!

This replacement procedure can be used for:
NISSAN Qashqai / Qashqai +2 I (J10, NJ10) 1.6, NISSAN Qashqai / Qashqai +2 I (J10, NJ10) 2.0, NISSAN Qashqai / Qashqai +2 I (J10, NJ10) 2.0 All-wheel Drive, NISSAN SERENA (C25) 2.0, NISSAN SERENA (C25) 2.0 4x4, NISSAN Micra C+C III (K12) 1.6 160 SR, NISSAN MICRA III (K12) 1.6 SR 160, NISSAN Note (E11, NE11) 1.6, NISSAN PRIMERA (P12) 2.5, NISSAN PRIMERA Estate (WP12) 2.5, NISSAN X-TRAIL (T31) 2.0, NISSAN TIIDA Hatchback 1.6, NISSAN TIIDA Hatchback 1.8, NISSAN TIIDA Saloon (SC11X) 1.6, NISSAN TIIDA Saloon (SC11X) 1.8, (+ 6)

The steps may slightly vary depending on the car design.

REPLACEMENT: SPARK PLUGS – NISSAN QASHQAI J10. TOOLS YOU'LL NEED:



- Electronic spray
- High-temperature anti-seize lubricant
- Torque wrench
- Spark plug socket # 16
- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Round-nose pliers
- Flat screwdriver
- Telescoping magnet
- Fender cover

BUY TOOLS

Replacement: spark plugs – Nissan Qashqai J10. Professionals recommend:

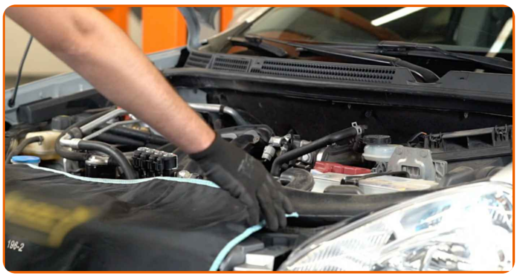
- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – NISSAN QASHQAI J10. RECOMMENDED SEQUENCE OF STEPS:

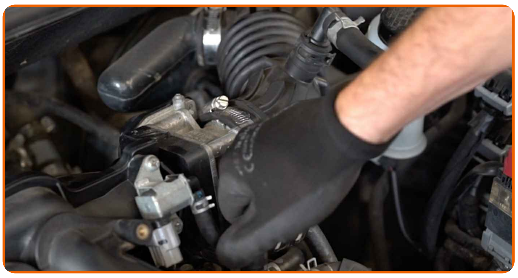
1 Open the hood.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



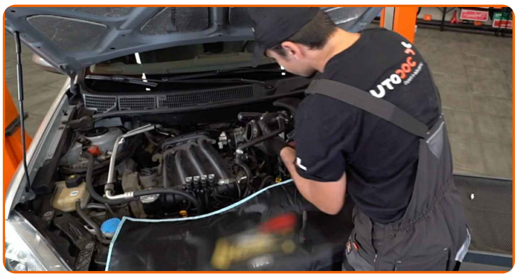
3 Disconnect the crankcase ventilation hose from the air duct. Use round-nose pliers.



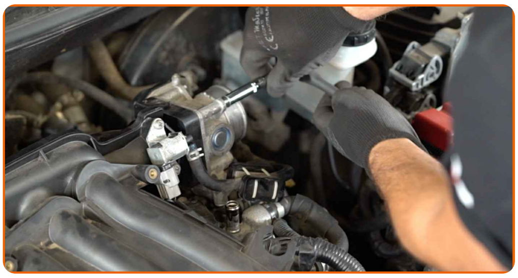
4 Unscrew the clamps and fasteners on the air filter intake pipe. Use a drive socket #10. Use a ratchet wrench.



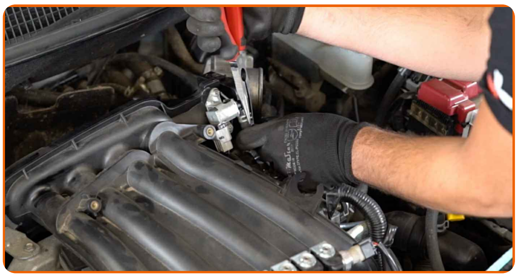
5 Disconnect the air intake pipe from the air filter housing.



6 Unscrew the fasteners connecting the throttle valve to the intake manifold. Use a drive socket #8. Use a ratchet wrench.

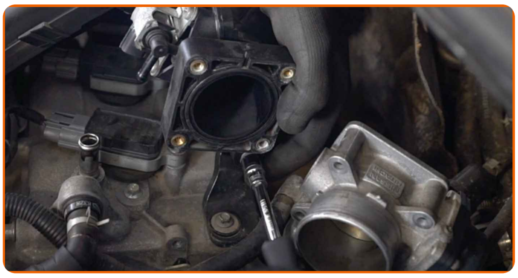


7 Release the clamp and detach the connector and the vacuum hose from the intake manifold near the throttle valve. Use round-nose pliers.



8

Unscrew the fasteners of the intake manifold bracket. Use a drive socket #10.



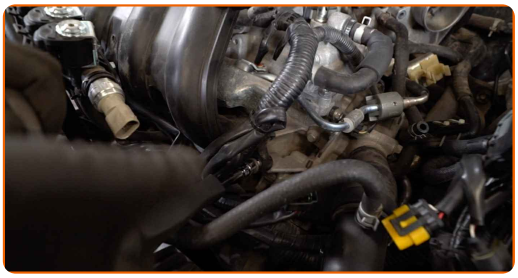
9

Detach the vacuum booster hose from the intake manifold.



10

Unscrew the intake manifold fasteners. Use a drive socket #10. Use a ratchet wrench.

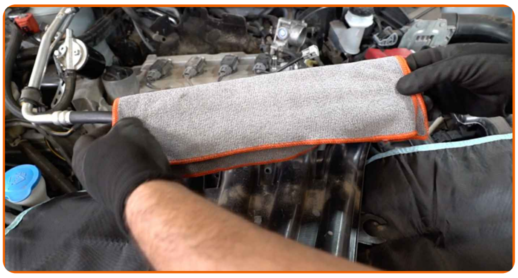


11

Remove the intake manifold.



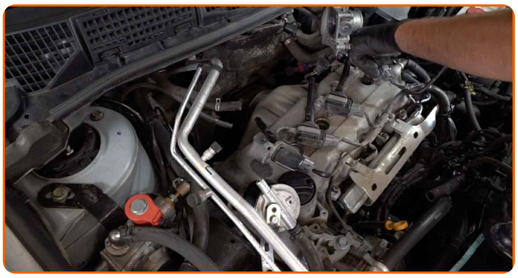
12 Cover the intake manifold passages with a microfibre towel to prevent dust and dirt from getting inside.



13 Unscrew the ignition coil bracket. Use a drive socket #10.



14 Take out the ignition coil from the spark plug well.



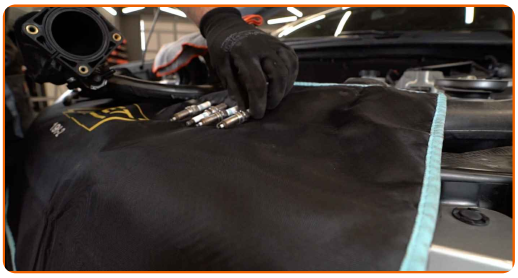
15 Clean dirt, dust and debris from inside the spark plug well.



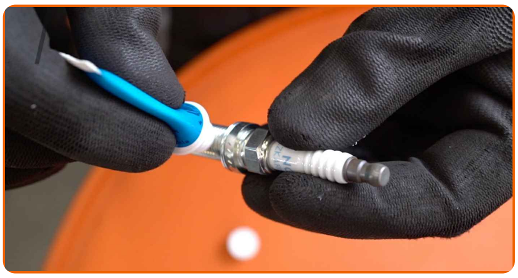
16 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



17 Take out the spark plugs. Use a telescoping magnet.



18 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



19 Treat the surface of the terminals of the new spark plugs. Use electronic spray.

20 Install the new spark plugs into their mounting seats.



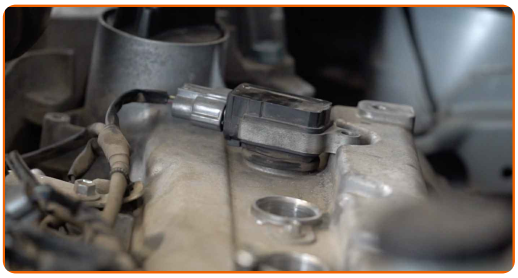
21 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 19.6 nm torque.



AUTODOC recommends:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

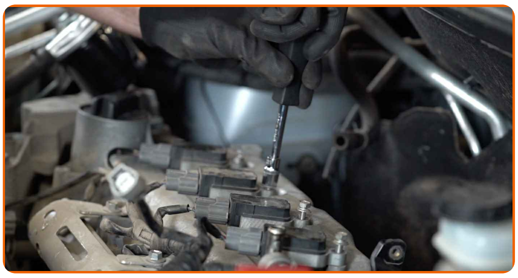
22 Install the ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



Replacement: spark plugs – Nissan Qashqai J10. Tip:

- Follow the installation sequence.

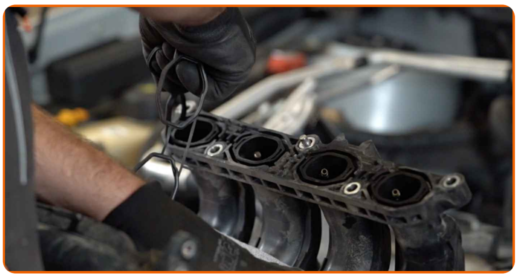
23 Tighten the ignition coil fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 7 nm torque.



24 Remove the microfibre towel from the intake manifold.



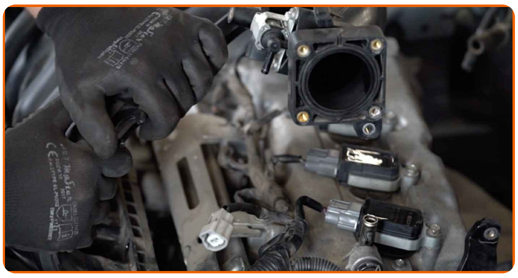
25 Remove the intake manifold gasket. Use a flat screwdriver.



26 Install the new intake manifold gasket.



27 Install the intake manifold.



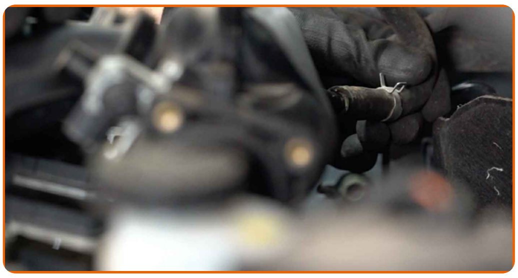
28 Tighten the intake manifold fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 27 nm torque.



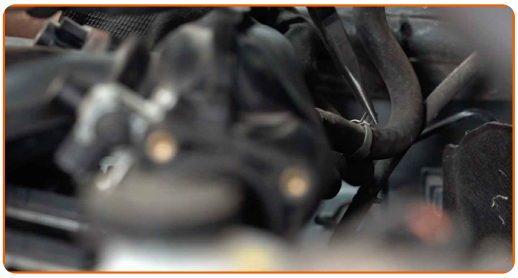
29 Tighten the fasteners of the intake manifold bracket. Use a drive socket №10. Use a torque wrench. Tighten it to 10 nm torque.



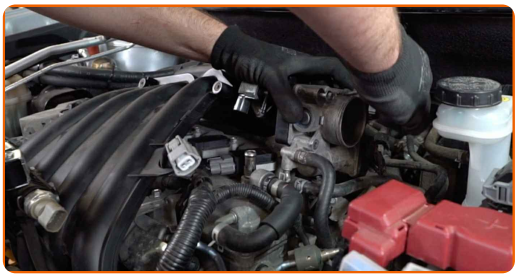
30 Attach the vacuum booster hose to the intake manifold.



31 Squeeze and install the vacuum booster hose clamp. Use round-nose pliers.



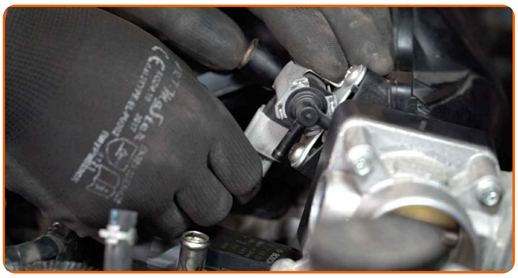
32 Install the throttle valve on the intake manifold.



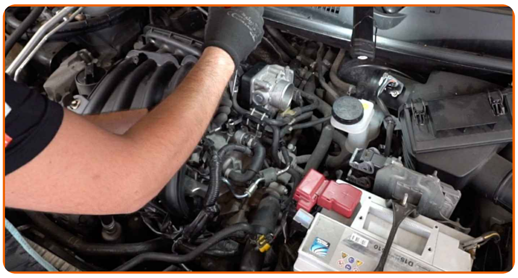
33 Tighten the throttle valve fasteners. Use a drive socket #8. Use a torque wrench. Tighten it to 10 nm torque.



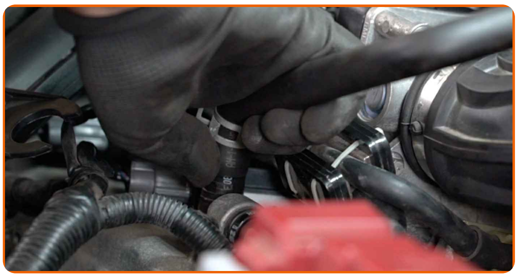
34 Attach the connector and the vacuum hose to the intake manifold near the throttle valve. Use round-nose pliers.



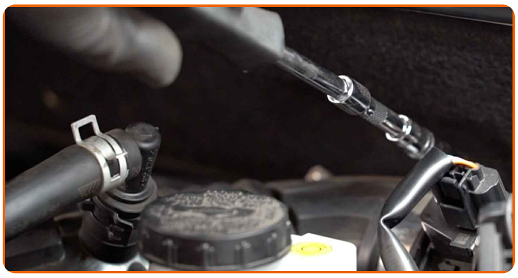
35 Connect the air intake pipe to the air filter housing.



36 Connect the crankcase ventilation hose to the air duct. Use round-nose pliers.



37 Tighten the clamp and fasteners on the air filter intake pipe. Use a drive socket #10. Use a ratchet wrench.

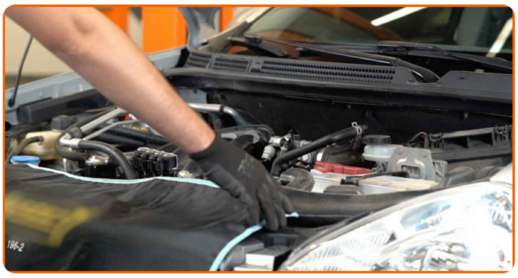


38 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



39 Shut off the engine.

40 Remove the fender protection cover.



41

Close the hood.



WELL DONE!

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